IN THE CLAIMS

1. (Currently Amended) A semiconductor device for securely controlling access to cryptographic processing of data comprising:

a semiconductor package;

a cryptographic processor disposed in the semiconductor package, the processor including a biometric data capture device operative to acquire [[to]] biometric data associated with a predetermined biometric characteristic of a user and store [[it]] the biometric data as a biometric key, and [[a]] an encryption/decryption circuit operative to perform encryption or decryption on input data utilizing said biometric key.

2. (Original) A device as defined in claim 1, wherein the stored biometric key is encrypted data.

3. (Currently Amended) A device as defined in claim 1, where wherein the biometric data capture circuit device performs an encryption operation on the same source biometric data to produce encrypted source data.

4. (Currently Amended) A device as defined in claim 3, wherein the processing unit processor compares the encrypted source data with the stored biometric key.

5. (Currently Amended) A device as defined in claim 3, wherein the source biometric data predetermined biometric characteristic is a fingerprint.

6. (Currently Amended) A mobile computer, comprising:

a hand-held housing;

a wireless RF transceiver in the housing to transmit and receive data over a wireless communication channel;

a data input device in the housing;

a data output device in the housing; and

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a cryptographic processor disposed in a single semiconductor package, the processor including a biometric data capture device contained in the semiconductor package to capture biometric data associated with a predetermined biometric characteristic of a user and store [[it]] the biometric data as a biometric key; and [[a]] an encryption/decryption circuit disposed in the semiconductor package operative to perform encryption or decryption on input data utilizing said biometric key.

7. (Original) A device as defined in claim 6, wherein the stored biometric key is stored as encrypted data.

8. (Currently Amended) A device as defined in claim 6, wherein the biometric data capture circuit device performs an encryption operation on the source biometric data to produce an encrypted key.

9. (Currently Amended) A device as defined in claim 8, wherein the processing unit processor utilizes the stored biometric key with a cryptographic algorithm.

10. (Currently Amended) A device as defined in claim 8, wherein the source biometric data predetermined biometric characteristic is a fingerprint.

11. (Currently Amended) A secure wireless local area network comprising[[;]]:
       a mobile computer including a cryptographic processor and a wireless RF transceiver;
       an access point connected to a wired local area network, the access point including a wireless RF transceiver capable of communication with the mobile computer; and
       a security protocol program executed in the cryptographic processor in said mobile computer and in said access point to establish authentication of the mobile computer by said access point by verification of a stored encrypted biometric key in said cryptographic processor.

12. (Currently Amended) A network as defined in claim [[10]] 11, wherein said cryptographic

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processor includes a biometric data capture device and [[a]] an encryption/decryption circuit operative to perform encryption or decryption on input data to the processor utilizing said biometric key.

13. (Original) A network as defined in claim 12, wherein the stored biometric key is encrypted biometric data from an authorized user of the network.

14. (Currently Amended) A network as defined in claim [[12]] 13, where wherein the processor performs an encryption operation on the source biometric data to produce encrypted source biometric data which is stored as [[a]] the biometric key.

15. (Currently amended) A network as defined in claim 14, wherein the processor compares the encrypted source biometric data with the biometric data of [[the]] a current user of the mobile computer as derived by the biometric data capture device.

16. (Original) A network as defined in claim 14, wherein the source biometric data is a fingerprint.

17. (Original) A network as defined in claim 14, further comprising an authentication server connected to the wired local area network.

18. (Original) A network as defined in claim 17, further comprising a software protocol above [[the]] a radio frequency MAC levels level.

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